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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-03-24-02**	**Date: 01-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.	
Address	:	Yelahanka Sub Division, BBMP, Bangalore.	
Project Name	:	Asphalting and Improvements to road at surabhi layout 2nd main and cross road in ward no.01 of Yelahanka Sub Division.	
Agency	:	Technical Manager (west) KRIDL, BBMP, Bangalore.	
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	24-03-17	
Sample ID No	:	2017-03-24-02-05	
Sample Type	:	Indus Fe 500	
Reference to BIS codes	:	IS 1786-2008	
Date of test:	:	25-03-17	

SLNo	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm^2)	Tensile strength (N/mm^2)	Elongation (%)
1	Indus	Fe500	10mm	0.615	539	658	20.0%

SLNo	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Indus	Fe500	10mm	Satisfactory	Satisfactory

Note:
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Prepared By:
Harshitha

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Quality Manager

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-03-24-02** **Date: 01-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and Improvements to road at surabhi layout 2nd main and cross road in ward no.01 of Yelahanka Sub Division.
Agency	:	Technical Manager (west) KRIDL, BBMP, Bangalore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-03-17
Sample ID No	:	2017-03-24-02-06
Sample Type	:	Indus Fe 500
Reference to BIS codes	:	IS 1786-2008
Date of test:	:	25-03-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample (kg/m)	Yield stress (N/mm^2)	Tensile strength (N/mm^2)	Elongation (%)
1	Indus	Fe500	12mm	0.888	659	672	21.0%

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Bend test	Rebend test
1	Indus	Fe500	12mm	Satisfactory	Satisfactory

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2017-03-24-02** **Date: 02-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and Improvements to road at surabhi layout 2nd main and cross road in ward no.01 of Yelahanka Sub Division.
Agency	:	Technical Manager (west) KRIDL, BBMP, Bangalore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-03-17
Sample ID No	:	2017-03-24-02-07
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	25/03/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(mm)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.116	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2017-03-24-02** **Date: 02-04-17**

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Asphalting and Improvements to road at surabhi layout 2nd main and cross road in ward no.01 of Yelahanka Sub Division.

Agency : Technical Manager (west) KRIDL, BBMP, Bangalore.

Customer's Reference : BBMP/EE(YNK.D)/W.O/152/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 24-03-17

Sample ID No : 2017-03-24-02-07

Sample Type /Size : Precast Cover Slab

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 25/03/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(mm)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	150.51	250.48	3.265	17788	270.9	15.2	15.2	19.0
2	Cover Slab-2	150.49	250.50	3.279	17784	277.3	15.6	15.6	19.5
3	Cover Slab-3	150.50	250.49	3.298	17786	273.5	15.4	15.4	19.2

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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2017-04-03-01** **Date: 07-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-04-17
Sample ID No	:	2017-04-03-01/01
Type of Mix	:	GSB (Granular Sub Base)
Date of test	:	03-04-17
Oven Dry Weight(gm)	:	10000

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	996	996	9.96	90.0	80-100
26.5	1686	2682	26.82	73.2	55-90
9.5	1292	3974	39.74	60.3	35-65
4.75	1490	5464	54.64	45.4	25-55
2.36	1764	7228	72.28	27.7	20-40
0.425	1666	8894	88.94	11.1	10-25
0.075	896	9790	97.90	2.1	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	23.10%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

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TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2017-04-05-01 **Date: 08-04-17**
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Agency : Technical Manager(West), KRIDL, BBMP, Bangalore.
Customer Reference : BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 05-04-17
Sample ID No : 2017-04-05-01/01
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 05-04-17
Oven Dry Weight(gm) : 12000

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0	100	100
45	0	0	0.00	100.0	95-100
22.4	2586	2586	21.55	78.5	60-80
11.2	2568	5154	42.95	57.1	40-60
4.75	2190	7344	61.20	38.8	25-40
2.36	2206	9550	79.58	20.4	15-30
0.6	710	10260	85.50	14.5	8-22
0.075	1365	11625	96.88	3.1	0-5

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TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2017-04-08-04** **Date: 13-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-04-17
Sample ID No	:	2017-04-08-04/01
Type of Mix	:	WMM (Wet Mix Macadam)
Date of test	:	08-04-17
Oven Dry Weight(gm)	:	11500

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0	100	100
45	335	335	2.91	97.1	95-100
22.4	2259	2594	22.56	77.4	60-80
11.2	2171	4765	41.43	58.6	40-60
4.75	2258	7023	61.07	38.9	25-40
2.36	1602	8625	75.00	25.0	15-30
0.6	610	9235	80.30	19.7	8-22
0.075	2150	11385	99.00	1.0	0-5

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Quality Manager

TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Lab ID	:	CP-RW-2017-04-05-01 **Date: 08-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-04-17
Sample ID No	:	2017-04-05-01/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	05-04-17

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	352.0	352.0
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	70.9	71.5
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	280.6	280.0
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.5	0.6
5	Aggregate impact value	(B/A)*100	20.1	20.3
6	Aggregate impact value (Mean of two tests)	Pecentage	20.2	

Note:-

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DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2017-04-05-01**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore. **Date: 08-04-17**
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-04-17
Sample ID No	:	2017-04-05-01/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	05-04-17

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	10.6%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	12.7%	
Combined Flakiness and Elongation Index for WMM	23.3%	

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TEST REPORT ON BITUMEN

Lab ID	:	CP-2017-04-10-04
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.
Customer's Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied By Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-04-17
Sample ID No	:	2017-04-10-04/01
Sample Type	:	Bitumen
Reference to BIS codes	:	IS: 1201-1220(1978) (Reaffirmed-2004)
Date of test	:	10-04-17

Date: 14-04-17

Test Results

Sl.no	Name of Test	Result	Requirements as per IS:73-2013
1	Penetration at 25°C , in 1/10th mm	63	60 to 70
2	Softening Point, °C	49.4	Min. 40°C
3	Ductility, cm	99	Min. 75cm
4	Flash point, °C	226.5	Min. 220°C
	Fire point, °C	249.5	

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TEST RESULTS OF GRADATION FOR DBM
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID : CP-RW-2017-04-15-01

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore. **Date: 19-04-17**

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01

Agency : Technical Manager(West), KRIDL, BBMP, Bangalore.

Customer Reference : BBMP/EE(YNK.D)/W.O/152/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-04-17

Sample ID No : 2017-04-15-01/01

Type of Mix : DBM-Plant (Dense Bituminous Macadam)

Date of test : 15-04-17

Weight of Sample(gm) : 5000

IS Sieve Size (mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH specification Table 500-10 (grading -2)
37.5	0	0	0	100	100
26.5	172	172	3.44	96.6	90-100
19	1013	1185	23.70	76.3	71-95
13.2	520	1705	34.10	65.9	56-80
4.75	1150	2855	57.10	42.9	38-54
2.36	710	3565	71.30	28.7	28-42
0.3	1094	4659	93.18	6.8	7-21
0.075	272	4931	98.62	1.4	2-8
PAN	69	5000	0.00	0	0

Note:-

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SPECIFIC GRAVITY AND WATER ABSORPTION TEST
IS:2386 Part III

Lab ID : CP-RW-2017-04-15-01 **Date: 19-04-17**
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Agency : Technical Manager(West), KRIDL, BBMP, Bangalore.
Project Name : Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Customer Reference : BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 15-04-17
Sample ID No : 2017-04-15-01/01
Type of Mix : Coarse aggregate for DBM (Dense Bituminous Macadam)
Date of test : 17-04-17

Sl.No	Details of Observations	Index	Unit	Test 1	Test 2	Mean Value
218	Weight of Wet aggregates + Basket suspended in water	A1	grams	2142	2260	
2	Weight of Empty Basket suspended in water	A2	grams	791	791	
3	Weight of Aggregates in water	A=A1-A2	grams	1351	1469	
4	Weight of Saturated Surface Dry aggregate	B	grams	2261	2403	
5	Weight of oven dried aggregate	C	grams	2250	2390	
6	Specific gravity	C/(B-A)		2.47	2.56	2.52
7	Apparent Specific gravity	C/(C-A)		2.50	2.60	2.55
8	Water absorption	100*(B-C) /C	Percent	0.49	0.54	0.52

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TESTS RESULTS ON AGGREGATE IMPACT VALUE
(IS:2386 Part IV)

Lab ID	:	CP-RW-2017-04-15-01	**Date: 19-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.	
Address	:	Yelahanka Sub Division, BBMP, Bangalore.	
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01	
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.	
Customer Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	15-04-17	
Sample ID No	:	2017-04-15-01/01	
Type of Mix	:	Coarse Aggregate for DBM(Dense Bituminous Macadam)	
Date of test	:	17-04-17	

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	340	340
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	69.6	70.3
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	269.6	268.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.8	0.9
5	Aggregate impct value	(B/A)*100	20.47	20.68
6	Aggregate impct value (Mean of two tests)		20.57	

Note:-
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Prepared By:
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TEST REPORT OF AGGEGRATE STRIPPING VALUE OF ROAD AGGRGATE (IS:6241)

Lab ID	:	**CP-RW-2017-04-15-01** **Date: 19-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-04-17
Sample ID No	:	2017-04-15-01/01
Type of Mix	:	DBM(Dense Bituminous Macadam)
Date of test	:	15-04-17

Type of Binder	:	60/70
% of Binder Used	:	5.0%
Weight of Aggregate	:	200.0 gm
Weight of Binder	:	10.0 gm
Temperature of water bath	:	40°C

No of test	Retained Stripping Percentage	Stripping Percentage	Average Retained Stripping Percentage	Secified limits as per MORTH specification table 500-8
1	97.5	2.5	98.0	Minimum Retained Coating 95%
2	98.0	2.0		
3	98.5	1.5		

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TESTS RESULTS ON STABILITY OF MIX

Lab ID	:	**CP-RW-2017-04-15-01** **Date: 19-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Customer Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Hot Mix Plant, Bangalore
Sample Condition	:	Satisfactory
Date of Receipt	:	15-04-17
Sample ID No	:	2017-04-15-01/01
Type of Mix	:	DBM (Dense Bituminous Mecadam)
Date of test	:	15-04-17

The results of the tests conducted on the Dense Bituminous Macadam mix sample are as follow

SLNo	Particulars of observations	TEST 1	TEST 2	Secified limits as per MORTH specification table 500-11
1	Marshal Stability at 60°C, KN	11.29	11.82	9KN(min)
2	Marshal flow at 60°C, mm	3.54	3.87	2-4
3	Percent air Voids	4.56	4.17	3-5
4	Percent Voids in mineral Aggregate(VMA %)	14.54	14.76	13-15
5	Percent Voids filled with Bitumen(VFB %)	68.98	70.28	65-75
6	Density, g/cc	2.35	2.36	–

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Certificate No.: T- 4358

DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE (IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2017-04-15-01** **Date: 19-04-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-04-17
Sample ID No	:	2017-04-15-01/01
Type of Mix	:	Coarse Aggregate for DBM (Dense Bituminous Macadam)
Date of test	:	17-04-17

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 500-8
Flakiness Index	11.7%	Combined Flakiness & Elongation Index for DBM is Maximum 35%
Elongation Index	12.8%	
Combined Flakiness and Elongation Index for DBM	24.5%	

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TEST RESULTS OF GRADATION FOR DBM
(IS 2386:(Part 1) 1963 (RA2011)

Date: 25-04-17

Lab ID	:	CP-RW-2017-04-22-01
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Asphalting and improvements to roads at Surabhi layout 2nd main and cross road in ward No.01
Agency	:	Technical Manager(West), KRIDL, BBMP, Bangalore.
Customer Reference	:	BBMP/EE(YNK.D)/W.O/152/2017-18
Source of Sample	:	Sample supplied by Agency
Date of Receipt	:	22-04-17
Sample ID No	:	2017-04-22-01/02
Type of Mix	:	DBM (Dense Bituminous Macadam)
Date of test	:	22-04-17

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	501	501
2	Weight of the sample After extraction	B	477	476
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	4.79	4.99
4	Average percentage	%	4.9	

Prepared By:
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Date: 25-04-17

Lab ID : CP-RW-2017-04-22-01

Sample ID No : 2017-04-22-01/02

AFTER EXTRACTION(Trail-1)

Weight of Sample(gm) : 477

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH specification Table 500-10(grading -2)
37.5	0	0	0	100.0	100
26.5	16.4	16.4	3.44	96.6	90-100
19	94	110.4	23.14	76.9	71-95
13.2	40.3	150.7	31.59	68.4	56-80
4.75	105.2	255.9	53.65	46.4	38-54
2.36	70.2	326.1	68.36	31.6	28-42
0.3	90.6	416.7	87.36	12.6	7-21
0.075	38.3	455	95.39	4.6	2-8

AFTER EXTRACTION(Trail-2)

Weight of Sample(gm) : 476

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Specification Limits as per MORTH specification Table 500-10(grading -2)
37.5	0	0	0	100.0	100
26.5	17.3	17.3	3.63	96.4	90-100
19	94.2	111.5	23.42	76.6	71-95
13.2	37.4	148.9	31.28	68.7	56-80
4.75	108.2	257.1	54.01	46.0	38-54
2.36	69.1	326.2	68.53	31.5	28-42
0.3	91.2	417.4	87.69	12.3	7-21
0.075	25	442.4	92.94	7.1	2-8

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